

Data Structures

Practical 2

Objective:

WAP to find maximum and minimum element of array.

Code:

```
#include<iostream>

using namespace std;

int main ()
{
    int arr[10], n, i, max, min;

    cout<<"enter size of array: ";

    cin >>n;

    cout<<"enter elements of array: \n";

    for(i=0;i<n;i++)
    {
        cin >>arr[i];
    }

    max=arr[0];
    min=arr[0];

    for(i=0;i<n;i++)
    {
        if(arr[i]>max)
```

```
        max=arr[i];

        if(arr[i]<min)
            min=arr[i];
    }

    cout<<"minimum: "<<min<<"\n";

    cout<<"maximum: "<<max;

    return 0;
}
```

Output:

```
enter size of array: 5
enter elements of array:
78
102
-95
12
-45
minimum: -95
maximum: 102
-----
Process exited after 35.13 seconds with return value 0
Press any key to continue . . .
```